means for generating a second bitpattern according to a predefined relationship to the first bitpattern;

encoder means for embedding a watermark representing the second bitpattern in user information to be recorded; and

means for recording the watermarked user information on an information carrier for storage;

the system further comprising:

a player including:

means for reproducing the recorded watermarked user information from the information carrier, wherein the information carrier comprises a second medium mark representing the first bitpattern; and

means for verifying the relationship between the second bit pattern and the first bit pattern on the information carrier.

2. (thrice amended) The system of claim 1, in which the relationship includes a cryptographic function.

3. (thrice amended) The system of claim 2, in which the relationship includes a one-way function.

4. (twice amended) The system of claim 1, in which the second bitpattern identifies the encoder means.

5. (four times amended) A recorder comprising:

means for generating a second bitpattern according to a predefined relationship to a first bitpattern represented on a record carrier by a first medium mark; and

encoder means for embedding a watermark representing the second bitpattern in user information to be recorded ; and

means for copying the watermarked user information from the record carrier to an information carrier comprising a second medium mark representing the first bitpattern.

6. (four times amended) The recorder of claim 5, in which:

the recorder further comprises marking means for writing the first medium mark on the information carrier; and

the generating means generate the first bitpattern from a seed according to a further predefined relationship.

7. (thrice amended) The recorder of claim 6 , in which the generating means generate the first bitpattern by combining a first part represented by a prepressed mark on a recordable information carrier and a second part generated from the seed.

8. (twice amended) The recorder of claim 6, in which the further predefined relationship includes a cryptographic one-way function.

9. (thrice amended) An information carrier comprising:

a medium mark representing a first bitpattern; and

recorded information encoded with a watermark representing a second bitpattern having a predefined relationship to the first bitpattern whereby the relationship between the second bitpattern and the first bitpattern can be verified in a computer process.

10. (twice amended) The information carrier of claim 9, in which the first bitpattern includes:

a first part identifying a source of the information carrier; and

a second part identifying the recorded information.

11. (four times amended) A player comprising:

means for reproducing user information from [a record] an information carrier ;

first means for reading a second medium mark representing a first bitpattern from the information carrier;

second means for detecting a second bitpattern represented by a watermark in the reproduced user information; and

verification means for verifying a predefined relationship between the second bitpattern and the first bitpattern.

12. (twice amended) The player of claim 11, in which the verification means includes a cryptographic one-way function.

13. (thrice amended) The player of claim 12, in which:

the verification means generate a verification pattern by applying a one-way function to the first bitpattern; and

the verification means compare the verification pattern and the second bitpattern in order to verify the predefined relationship.

14. (twice amended) The system of claim 1, in which:

the relationship includes a one-way function;

the relationship includes a cryptographic function; and

the second bitpattern identifies the encoder means.

15. (thrice amended) The recorder of claim 5, in which:

the recorder further comprises means for reading the first bit pattern from the record carrier;

the first bit pattern indicates a copy protection status of the record carrier;

the relationship includes a cryptographic function;

the relationship includes a one-way function;

the second bitpattern identifies the encoder means;

the recorder further comprises marking means for writing the medium mark on the information carrier;

the generator means generate the first bitpattern from a seed according to a further predefined relationship; and

the generator means are arranged for generating the first bitpattern by combining a first part represented by a prepressed mark on a recordable information carrier and a second part generated from a seed.

16. (twice amended) The information carrier of claim 9, in which:

the relationship includes a cryptographic function;

the relationship includes a one-way function; and

the second bitpattern identifies the encoder means.

17. (twice amended) The player of claim 12, in which:

the relationship includes a cryptographic one-way function;

the relationship includes a one-way function; and

the second bitpattern identifies the encoder means.

18. (twice amended) The system of claim 1 in which the second medium mark is pressed in the record carrier during manufacture.